

FAG

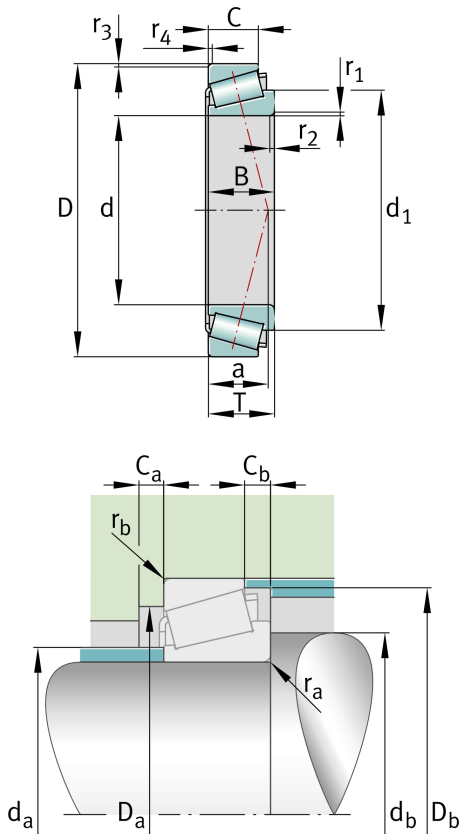
33213-XL

Tapered roller bearing

Schaeffler ID:
0937020270000Tapered roller bearings 332, main
dimensions to DIN ISO 355 / DIN 720,
separable, adjusted or in pairs

X-life

Technical information



Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.
	2,04 kg	Weight

Main Dimensions & Performance Data

d	65 mm	Bore diameter
D	120 mm	Outside diameter
B	41 mm	Width, inner ring
C	32 mm	Width, outer ring
T	41 mm	Width, total
C_r	242.000 N	Basic dynamic load rating, radial
C_{0r}	285.000 N	Basic static load rating, radial
C_{ur}	47.500 N	Fatigue load limit, radial
n_G	6.300 1/min	Limiting speed
n_{gr}	3.750 1/min	Thermal speed rating

Dimensions

$r_{1,2 \min}$	2 mm	Minimum chamfer dimension of inner ring back face
$r_{3,4 \min}$	1,5 mm	Minimum chamfer dimension of outer ring back face
a	30 mm	Distance between the apexes of the pressure cones
d_1	93,1 mm	Guidance rib diameter of inner ring

Mounting dimensions

$d_{a \max}$	74 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	74 mm	Minimum diameter of shaft shoulder
$D_{a \min}$	102 mm	Minimum diameter of housing shoulder
$D_{a \max}$	111 mm	Maximum diameter of housing shoulder
$D_{b \min}$	115 mm	Minimum diameter of housing shoulder
$C_{a \min}$	6 mm	Minimum axial space
$C_{b \min}$	9 mm	Minimum axial space
$r_{a \max}$	2 mm	Maximum fillet radius of shaft
$r_{b \max}$	1,5 mm	Maximum fillet radius of housing

Calculation factors

	T3EE065	Comparative designation to ISO 10317 and ISO 355
e	0,39	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y	1,54	Dynamic axial load factor
Y_0	0,85	Static axial load factor